

*A1 Sub Contd*  
and 62 for engaging ball bearings 34 and 38, respectively, and an outer peripheral surface 66 at a second end for engaging an inner peripheral surface 70 of sleeve coupler 26. Sleeve coupler 26 includes a radially outwardly extending flange 74 for engaging the side of bottom bracket shell 18.--

IN THE CLAIMS

Please amend claims 1, 7, 24, 31, 35 and 36 as follows:

*C1 Sub*  
1. (Amended) A drive mechanism for a bicycle transmission assist mechanism comprising:  
a crank arm having a crank axle mounting hole around a rotational axis; and  
a drive member supported coaxial with the rotational axis and including:  
a first abutment facing a forward rotational direction of the crank arm; and  
a non-concave first sloped surface extending from a radially outer portion of the abutment and facing a rearward rotational direction of the crank arm.

*C2 Sub*  
7. (Amended) A drive mechanism for a bicycle transmission assist mechanism comprising:  
a crank arm having a rotational axis; and  
a drive member comprises an annular drive ring mounted around the rotational axis and including:  
a first abutment facing a forward rotational direction of the crank arm; and  
a non-concave first sloped surface extending from a radially outer portion of the abutment and facing a rearward rotational direction of the crank arm; and  
wherein an inner peripheral surface of the drive ring includes a plurality of drive ring splines, and wherein an outer peripheral surface of the crank arm includes a plurality of crank arm splines that engage the plurality of drive ring splines.

*C3 Sub*  
24. (Amended) A drive mechanism for a bicycle transmission assist mechanism comprising:  
a crank arm having a rotational axis;  
wherein the crank arm includes a sprocket mounting member for mounting a sprocket to the crank arm;

*Act Control*

*so 2 Cr conc*

*large diameter sprocket retained to the sprocket mounting member;*  
*a small diameter sprocket retained to the sprocket mounting member; and*  
*a drive member including:*

*a first abutment facing a forward rotational direction of the crank arm; and*  
*a non-concave first sloped surface extending from a radially outer portion of the*  
*abutment and facing a rearward rotational direction of the crank arm;*  
*wherein the large diameter sprocket includes a shift assist mechanism for assisting travel of a*  
*chain between the small diameter sprocket and the large diameter sprocket.*

*Specs*

*a*

*31. (Amended) A drive mechanism for a bicycle transmission assist mechanism comprising:*  
*a crank arm having a rotational axis; and*  
*a drive member including:*

*a first abutment facing a forward rotational direction of the crank arm; and*  
*a non-concave first sloped surface extending from a radially outer portion of the*  
*abutment and facing a rearward rotational direction of the crank arm;*  
*wherein the crank arm has a crank axle mounting hole, and further comprising a plurality of*  
*splines disposed in the crank axle mounting hole. ✓*

*a 6 Spec*

*35. (Amended) A drive mechanism for a bicycle transmission assist mechanism comprising:*  
*a bicycle crank arm having a crank axle mounting boss including a crank axle mounting hole*  
*and a rotational axis; and*  
*only two abutments disposed on an outer surface of the crank axle mounting boss and facing*  
*a forward rotational direction of the crank arm;*  
*wherein the two abutments rotate coaxially around the rotational axis.*

*36. (Amended) A drive mechanism for a bicycle transmission assist mechanism comprising:*  
*a bicycle crank arm having a crank axle mounting boss including a crank axle mounting hole*  
*and a rotational axis; and*  
*a drive member disposed at the crank axle mounting boss and including:*

*an outer peripheral surface;*

*6. Contd* *5. Crnk* *4. Crnk*

wherein an abutment is disposed on the outer peripheral surface and faces a forward rotational direction of the crank arm;

wherein the abutment rotates around the rotational axis at a substantially constant radius; and

wherein the outer peripheral surface at a location of intersection with a radially inner portion of the abutment extends convex for at least 20°.

Please cancel claim 37.

Please add the following new claim:

*5. Crnk* *4. Crnk*

38. (New) A drive mechanism for a bicycle transmission assist mechanism comprising:  
a crank arm having a rotational axis; and  
a drive member nonrotatably fixed to the crank arm including:  
a first abutment facing a forward rotational direction of the crank arm;  
wherein the abutment rotates around the rotational axis at a substantially constant radius; and  
a non-concave first sloped surface extending from a radially outer portion of the abutment and facing a rearward rotational direction of the crank arm.

REMARKS

Claims 1-36 are pending. Claim 37 has been canceled. Claim 38 has been added.

Attached hereto is a marked-up version of the changes made to the application by the current amendment. The attached page is captioned "VERSION OF AMENDMENTS WITH MARKINGS TO SHOW CHANGES MADE."